412 Union National Bk Bldg., Wichita, Kansas.

Plotted
12-16-13W Norcross

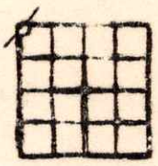
G. W. HINKLE & PHILLIPS PETRO.
Frederick No. 1.

SEC. 12 T. 16 R. 13W
NWo NW

Total Depth. 3391'
Comm. 3-12-37 Comp. 4-22-37
Shot or Treated.
Contractor. G.W.Hinkle
Issued. 5-1-37

County. Barton

MAY 1 1937



Elevation.

CASING:
15½" 438'
12 " 849'
10 " 2178'
8 " 2780'10"
6 " 3374'

Production. Dry

Figures Indicate Bottom of Formations.

clay yellow	50	shale	1940	shale & shells	2755
shale blue	145	lime brkn	1970	lime	2785
shale sdy	185	shale	1975	shale	2790
red rock	200	lime	2005	lime	2895
clay	230	shale & shells	2020	shale	2900
shale 10 BW	245	lime	2035	lime	3026
sand	255	red rock	2040	shale black	3029
red rock HFW	310	lime	2053	lime	3035
sand	330	shale	2055	shale blue	3042
red rock sdy	355	red rock	2065	lime	3060
shale blue	385	lime	2090	red rock	3062
shale grey	395	shale	2105	lime brkn	3110
shale	420	lime	2130	lime	3270
sand & iron	430	red rock	2143	sm sh oil 3170	
shale	438	sdy lime 3 BW	2160	1½ BW 3175-3195	
shale blue HFW	470	lime	2185	shale drk	3275
water sand	495	shale	2190	lime	3311
shale grey	530	lime	2210	shale grey	3329
red rock	545	shale	2220	lime	3361
shale blue	565	red rock	2230	shale	3362
red rock	650	shale	2235	lime	3369
sand red 2 BW 660	670	lime	2240	lime	3373
red rock & sand	740	shale drk	2245	lime 2 BW	3375
12 BW 665-675		lime	2270	conglomerate	3378
red rock	862	lime brkn	2285	Arbuckle	3380
lime	865	shale	2290	Correction 3374	
anhydrite	890	lime	2305	lime	3388
red rock	1060	shale	2320	sand	3391
shale & lime shells	1095	lime	2325	HFW 3388-3391	
red rock	1155	shale	2355	Total Depth.	
shale blue	1275	lime	2365		
brkn lime	1285	shale grey	2370		
salt	1345	lime	2375		
shale blue	1360	shale	2390		
salt	1520	lime	2395		
lime	1530	shale	2405		
brkn lime	1550	lime cave	2410		
lime	1555	shale	2415		
shale	1565	shale grey	2425		
lime	1575	lime	2435		
shale & shells	1590	shale grey	2455		
lime	1595	shale	2470		
lime brkn	1610	sand	2480		
shale grey	1615	shale	2510		
lime	1665	lime	2535		
shale	1670	sdy shale	2545		
lime	1685	lime brkn 1/3 BW	2555		
shale & shells	1690	shale	2570		
lime	1710	lime	2590		
shale grey sdy	1740	shale	2595		
lime brkn	1770	lime	2605		
shale red	1775	shale	2620		
lime	1778	lime	2630		
red rock	1781	lime brkn	2645		
lime	1790	lime	2655		
red rock	1795	shale	2680		
lime	1870	lime	2685		
shale	1875	shale	2715		
lime	1925	lime	2720		